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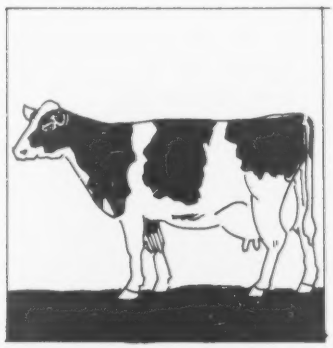
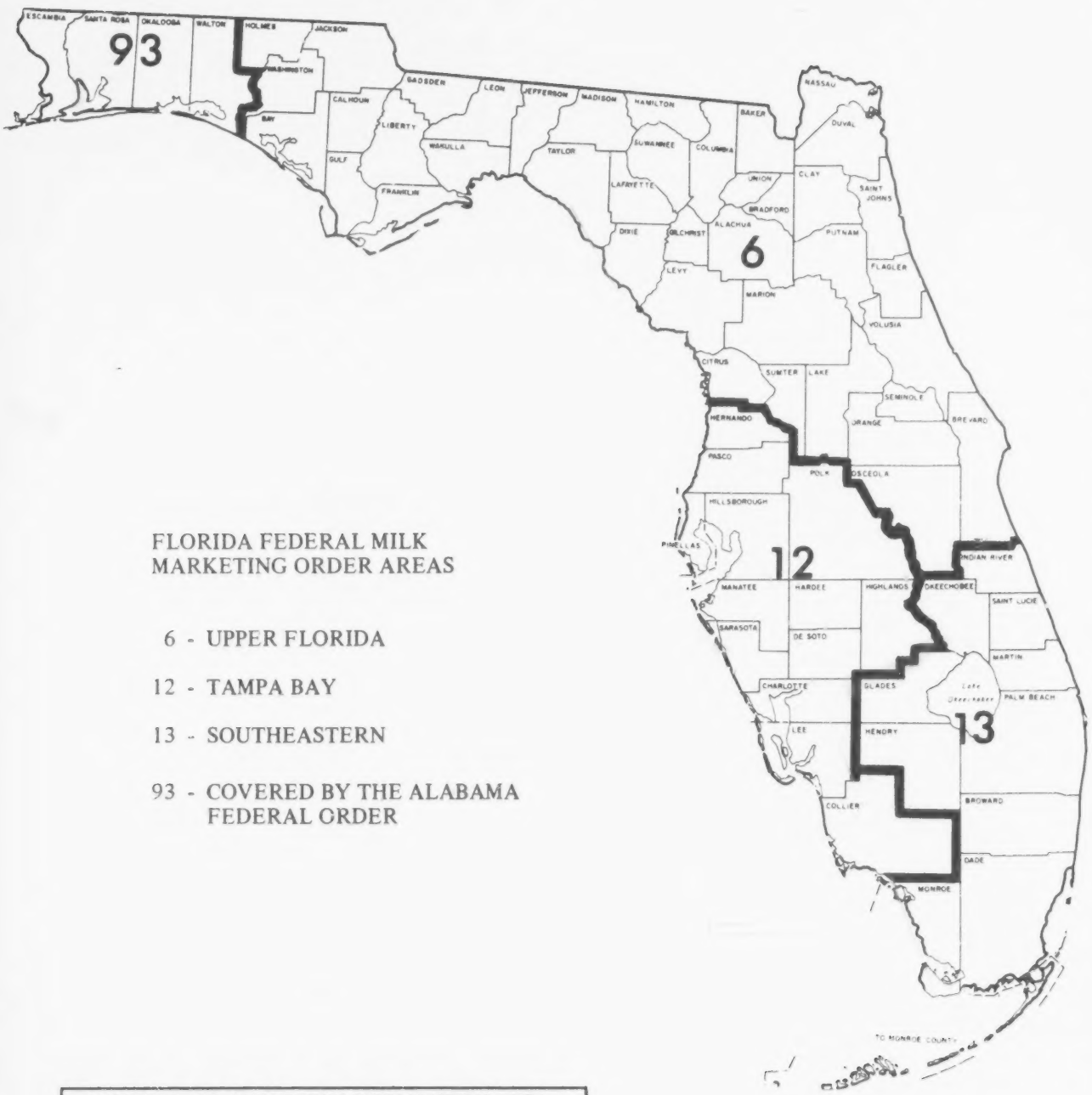
Florida Agricultural Statistics



Dairy Summary 1986

FLORIDA
AGRICULTURAL
STATISTICS SERVICE
1222 Woodward Street
Orlando, Florida 32803



FLORIDA FEDERAL MILK
MARKETING ORDER AREAS

6 - UPPER FLORIDA

12 - TAMPA BAY

13 - SOUTHEASTERN

93 - COVERED BY THE ALABAMA
FEDERAL ORDER

A MARKETING AREA IS THE DISTRIBUTION AREA IN WHICH MILK IS SOLD TO CONSUMERS AND DOES NOT CORRESPOND TO THE AREA WHERE THE MILK IS PRODUCED.

FLORIDA AGRICULTURAL STATISTICS

DAIRY SUMMARY

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
DOYLE CONNER, COMMISSIONER
TALLAHASSEE, FLORIDA

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Cooperating with

U.S. Department of Agriculture
Agricultural Marketing Service
and
National Agricultural
Statistics Service

ACKNOWLEDGMENT

This publication summarizes basic information concerning Florida's dairy industry. It is intended for the use of dairymen, allied industries, and all others who are interested in dairy statistics.

Many dairy producers, marketing agencies, Federal Order Market Administrators, and others voluntarily supplied basic data used to develop these statistics. Their cooperation is sincerely appreciated.

This report is made possible through a cooperative effort of the Florida Agricultural Statistics Service, USDA and the Florida Department of Agriculture and Consumer Services, Division of Dairy Industry. Shipment data are from the Road Guard Bureau, Division of Inspection and Bureau of Dairy Laboratories, Division of Dairy Industry. Production and inventory data are official State and USDA statistics prepared by the Florida Agricultural Statistics Service.

8/87

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DAIRY SUMMARY

Florida dairies produced a record 2,153 million pounds of milk in 1986, 6 percent above 1985 and 40 million pounds above the previous record set in 1983. Production per cow was a record 12,028 pounds in 1986, surpassing the 12,000 pound mark for the first time.

During 1986, an average of 179,000 milk cows were on Florida farms and commercial dairies, 6,000 more than 1985. Florida ranked 17 in average number of milk cows and 18 in total milk production among all States.

Cash receipts from marketings of Florida milk in 1986 totaled $346,356,000 almost $13 million above 1985. Milk marketed by producers averaged $16.20 per hundredweight in 1986 compared with $16.50 in 1985.

Total United States milk production in 1986 was a record 144,088 million pounds, 1 percent above the 1985 production of 143,147 million pounds. During 1985, there were an average of 10,839,000 milk cows on U.S. farms and dairies, down from the 11,016,000 milk cows in 1985. Production per cow was a record 13,293 pounds, up 299 pounds from the previous record of 12,994 pounds set in 1985.

Cash receipts from marketings of milk during 1986 totaled $17,824 million for the nation, a one percent decrease from the $18,063 million in 1985. Average price per hundredweight was $12.59 in 1986 compared with $12.84 in 1985.

Cash receipts from livestock marketings: Florida, 1977-1986 1/

Year	Cattle and calves	Hogs	Sheep and lambs	Milk	Poultry and eggs 2/	Total 3/ livestock and products	Percent of total farm cash receipts
	Thousand dollars						
1977	276,873	27,511	31	242,871	184,466	748,555	29
1978	357,851	35,640	4/	250,165	180,694	849,558	25
1979	423,721	51,838	4/	286,822	213,242	1,001,311	26
1980	347,706	53,076	4/	317,422	214,196	945,832	23
1981	370,730	56,125	4/	347,592	236,525	1,026,286	24
1982	310,907	47,624	4/	343,416	224,724	1,018,326	24
1983	359,015	36,466	4/	346,335	233,329	1,078,395	23
1984	373,133	27,088	4/	304,398	284,375	1,090,603	23
1985	334,247	17,606	4/	333,465	230,047	1,015,307	21
1986	272,920	23,376	4/	346,356	256,630	1,009,808	22

1/ Does not include government payments. 2/ Beginning in 1985, value of eggs is for total production including consumption on farms where produced. 3/ Calendar year basis for cattle, calves, sheep, lambs, milk and total livestock and products. Total includes other items not shown separately and is otherwise not strictly comparable with components which reflect later revisions, and a marketing year of December previous year through November current year, for hogs, eggs, broilers, and other chickens. 4/ Separate estimates discontinued.

Cows and heifer calves kept for milk: Number on farms, by classes, Florida, January 1 and July 1, 1978-1987

Year	January 1		July 1	
	Cows and heifers that have calved	Heifers 500 pounds & over	Cows and heifers that have calved	Heifers 500 pounds & over
	1,000 head			
1978	197	37	193	41
1979	189	38	190	40
1980	184	35	187	46
1981	187	39	190	44
1982	190	45	1/	1/
1983	190	45	1/	1/
1984	190	45	1/	1/
1985	164	44	1/	1/
1986	186	36	1/	1/
1987	178	35	1/	1/

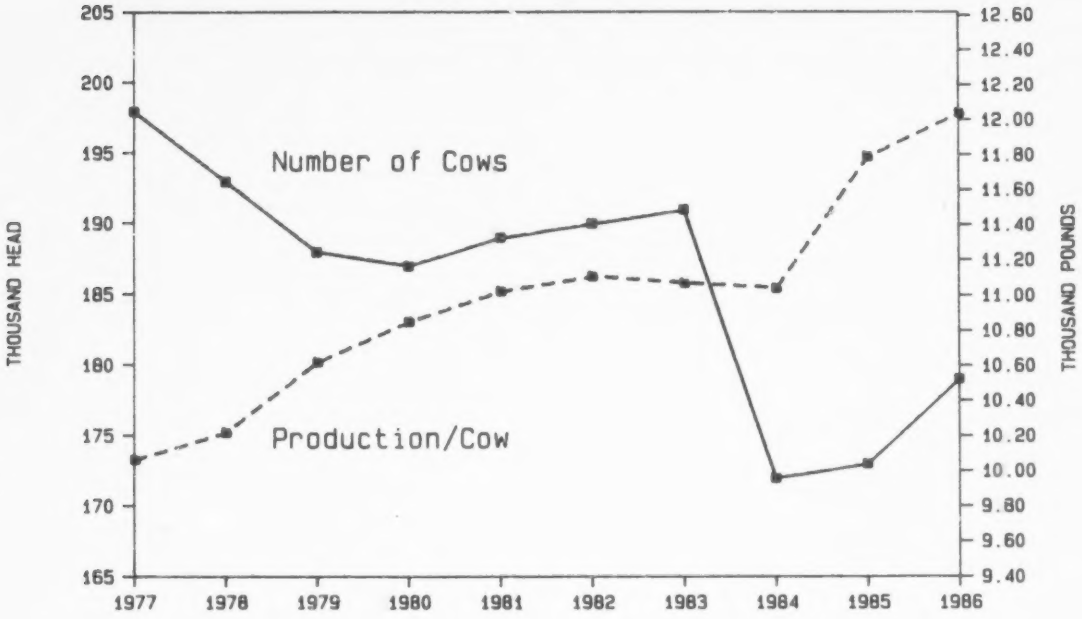
1/ Florida estimates are not available.

Milk: Production, utilization, milkfat and cash receipts, Florida 1977-1986

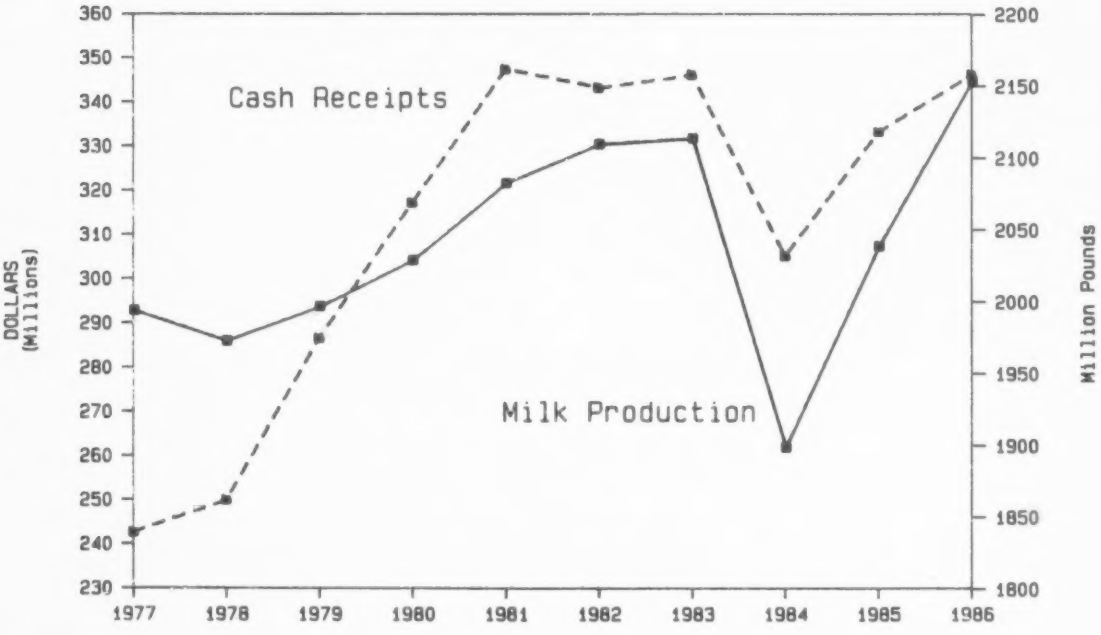
Year	Total milk production 1/	Milk used on farms	Milk sold to plants and dealers 2/	Milkfat	Cash receipts from marketings
	Million pounds			Percent	1,000 dollars
1977	1,993	18	1,975	3.51	242,871
1978	1,972	20	1,952	3.47	250,165
1979	1,996	20	1,976	3.45	286,822
1980	2,028	19	2,009	3.44	317,422
1981	2,082	13	2,069	3.47	347,592
1982	2,109	15	2,094	3.49	343,416
1983	2,113	13	2,099	3.55	346,335
1984	1,898	19	1,879	3.51	304,398
1985	2,038	17	2,021	3.57	333,465
1986	2,153	15	2,138	3.56	346,356

1/ Excludes milk sucked by calves.
2/ Includes sales directly to consumers by producers who sell milk from their own herds. Also includes milk produced by institutional herds.

NUMBER OF MILK COWS IN HERD AND ANNUAL MILK PRODUCTION PER COW, FL, 1977–1986



CASH RECEIPTS AND ANNUAL MILK PRODUCTION FLORIDA, 1977–1986



Milk cows and production: Number on farms and milk production, by months, Florida, 1977-1986

Year	Jan	Feb	Mar	Apr	May	Jun
Milk cows						
			Thousands			
1977	200	201	200	199	198	198
1978	197	196	195	195	194	194
1979	189	189	189	190	191	191
1980	184	185	185	187	187	188
1981	187	187	187	187	187	190
1982	190	190	189	1/	1/	189
1983	190	190	190	190	191	191
1984	188	183	178	173	170	169
1985	164	167	169	172	175	173
1986	186	188	186	182	180	175
Milk production per cow						
			Pounds			
1977	880	810	940	920	915	805
1978	885	830	945	900	905	825
1979	945	885	1,005	945	950	850
1980	995	960	1,040	975	965	865
1981	980	935	1,065	1,010	1,000	860
1982	1,030	985	1,090	1/	1/	2,860
1983	1,035	955	1,060	995	995	905
1984	990	960	1,035	1,005	990	880
1985	1,045	960	1,080	1,050	1,050	970
1986	1,070	1,000	1,120	1,090	1,100	1,000
Milk production						
			Million pounds			
1977	176	163	188	183	181	159
1978	174	163	184	176	176	160
1979	179	167	190	180	181	162
1980	183	178	192	182	180	163
1981	183	175	199	189	187	163
1982	196	187	206	1/	1/	541
1983	197	181	201	189	190	173
1984	186	176	184	174	168	149
1985	171	160	183	181	184	168
1986	199	188	208	198	198	175

See footnote at end of table. Continued

Milk cows and production: Number on farms and milk production, by months, Florida, 1977-1986 (continued)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows							
				Thousands			
1977	198	198	197	197	197	197	198
1978	193	193	192	191	190	189	193
1979	190	189	187	186	185	184	188
1980	187	187	187	187	187	187	187
1981	190	190	190	189	189	190	189
1982	1/	1/	190	1/	1/	190	190
1983	191	191	191	191	191	190	191
1984	168	168	168	166	164	164	172
1985	175	175	175	175	177	180	173
1986	172	172	174	177	178	181	179
Milk production per cow							
				Pounds			
1977	795	780	745	800	795	865	10,066
1978	800	780	755	825	835	910	10,218
1979	805	795	775	835	865	945	10,617
1980	820	800	785	850	865	955	10,845
1981	830	810	790	880	900	990	11,016
1982	1/	1/	2,400	1/	1/	2,750	11,100
1983	840	810	795	865	885	955	11,063
1984	845	800	800	870	890	980	11,035
1985	965	910	870	915	940	1,030	11,780
1986	960	905	840	905	950	1,055	12,028
Milk production							
				Million pounds			
1977	157	154	147	158	157	170	1,993
1978	154	151	145	158	159	172	1,972
1979	153	150	145	155	160	174	1,996
1980	153	150	147	159	162	179	2,028
1981	158	154	150	166	170	188	2,082
1982	1/	1/	456	1/	1/	523	2,109
1983	160	155	152	165	169	181	2,113
1984	142	134	134	144	146	161	1,898
1985	169	159	152	160	166	185	2,038
1986	165	156	146	160	169	191	2,153

1/ From April-December, 1982, only quarterly estimates were made. Monthly estimates were resumed in January, 1983.

Florida commercial dairies: Inventories of cows, and milk production by counties

County 1/	January 1 1985 milk cows	1985 annual milk production	January 1 1986 milk cows
	Number	Thousand pounds	Number
Escambia, Santa Rosa, Walton	2,200	26,000	2,300
West Florida	2,200	26,000	2,300
Duval	7,850	76,900	6,200
Holmes	1,500	15,300	1,600
Jackson	1,850	25,000	2,200
Marion	2,350	31,800	2,600
Nassau	9,000	124,100	10,200
Alachua, Dixie, Gilchrist, Levy	6,800	88,400	7,900
Baker, Columbia, Hamilton	2,050	28,000	3,700
Bay, Calhoun, Washington	2,200	26,200	1,800
Brevard, Osceola	700	6,700	600
Bradford, Clay, Putnam	10,000	129,600	10,400
Jefferson, Leon	4,400	56,500	4,200
Lafayette	6,800	94,700	8,800
Lake	2,600	33,000	3,000
Orange, Seminole, Volusia, Sumter	2,550	34,600	2,500
Suwannee	2,450	32,000	2,300
Upper Florida	63,100	802,800	68,000
Highlands	10,000	107,600	10,700
Hillsborough	12,200	142,100	11,700
Polk	2,750	34,300	4,000
Charlotte, DeSoto, Hardee	3,600	49,100	7,600
Manatee, Sarasota	7,150	84,200	8,900
Hernando, Pasco	8,600	84,900	9,200
Tampa Bay	44,300	502,200	52,100
Martin	3,950	51,300	4,300
Okeechobee	34,500	472,000	40,700
Palm Beach, Glades	6,950	93,000	7,300
Broward	3,050	39,500	4,000
Indian River, St. Lucie	2,850	34,200	3,300
Southeastern	51,400	690,000	59,600
Commercial Dairies	161,000	2,021,000	182,000

1/ Some counties combined to avoid disclosing individual operations. Counties grouped by Federal milk market order distribution areas. A marketing area is the distribution area in which milk is sold to consumers and does not correspond to the area where the milk is produced.

Florida commercial dairies: Inventories of cows, and milk production by counties

County 1/	January 1 1986 milk cows	1986 annual milk production	January 1 1987 milk cows 2/
	Number	Thousand pounds	Number
Escambia, Santa Rosa, Walton	2,300	26,400	2,100
West Florida	2,300	26,400	2,100
Duval	6,200	72,700	5,600
Holmes	1,600	15,600	1,000
Jackson	2,200	31,700	2,400
Marion	2,600	43,200	4,500
Nassau	10,200	106,700	7,900
Alachua, Dixie, Gilchrist, Levy	7,900	102,400	7,400
Baker, Columbia, Hamilton	3,700	35,100	3,600
Bay, Calhoun, Washington	1,800	25,600	2,300
Brevard, Osceola	600	6,300	500
Bradford, Clay, Putnam	10,400	119,200	8,800
Jefferson, Leon	4,200	46,700	3,400
Lafayette	8,800	112,800	9,500
Lake	3,000	38,400	3,000
Orange, Seminole, Volusia, Sumter	2,500	27,600	1,800
Suwannee	2,300	31,900	2,100
Upper Florida	68,000	815,900	63,800
Highlands	10,700	120,800	10,300
Hillsborough	11,700	133,400	11,200
Polk	4,000	37,800	3,400
Charlotte, DeSoto, Hardee	7,600	71,500	8,700
Manatee, Sarasota	8,900	99,000	8,000
Hernando, Pasco	9,200	92,000	7,900
Tampa Bay	52,100	554,500	49,500
Martin	4,300	49,700	3,200
Okeechobee	40,700	515,000	42,500
Palm Beach, Glades	7,300	92,900	6,800
Broward	4,000	40,500	3,500
Indian River, St. Lucie	3,300	43,100	3,600
Southeastern	59,600	741,200	59,600
Commercial Dairies	182,000	2,138,000	175,000

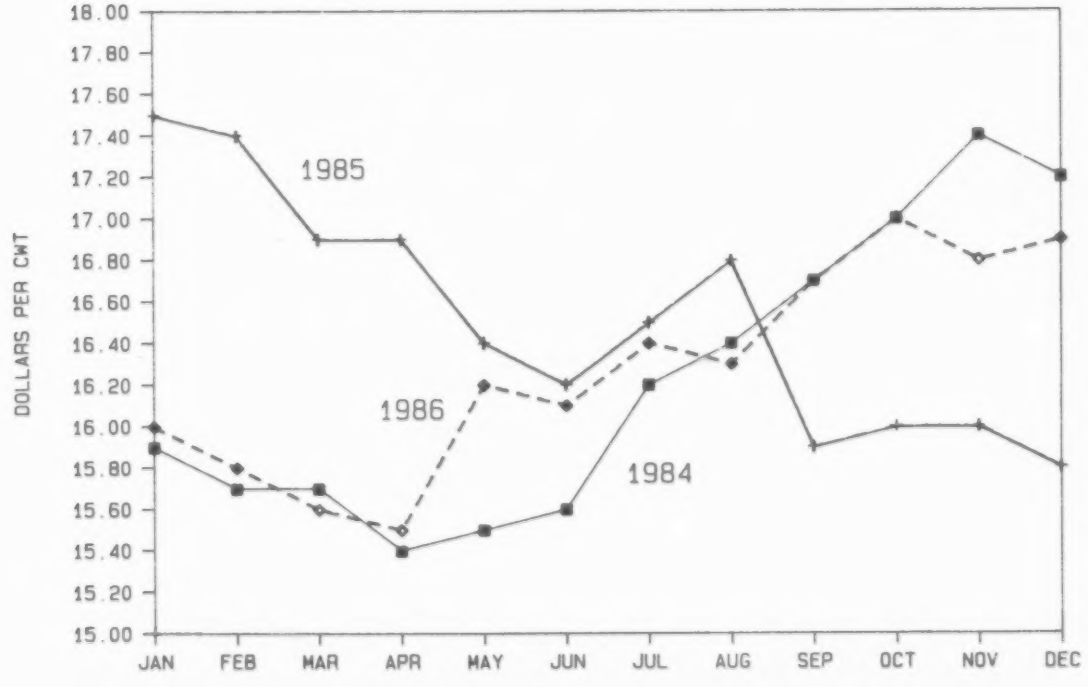
1/ Some counties combined to avoid disclosing individual operations. Counties grouped by Federal milk market order distribution areas. A marketing area is the distribution area in which milk is sold to consumers and does not correspond to the area where the milk is produced. 2/ Preliminary.

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, Florida, 1977-1986

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1977	12.00	12.00	11.80	11.80	11.80	11.80
1978	12.40	12.50	12.30	12.20	12.30	12.50
1979	14.00	14.20	14.10	13.80	13.80	13.90
1980	15.50	15.60	15.30	15.20	15.40	15.30
1981	17.10	17.00	16.70	16.40	16.40	16.60
1982	16.70	16.60	16.50	16.10	16.00	16.20
1983	16.70	16.90	16.70	16.60	16.30	16.40
1984	15.90	15.70	15.70	15.40	15.50	15.60
1985	17.50	17.40	16.90	16.90	16.40	16.20
1986	16.00	15.80	15.60	15.50	16.20	16.10

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1977	12.30	12.50	12.60	12.70	12.40	12.40	12.20
1978	12.50	13.00	13.40	13.50	13.50	13.70	12.80
1979	14.10	15.20	15.20	15.20	15.60	15.50	14.50
1980	15.70	16.00	16.10	16.40	16.60	16.80	15.80
1981	16.80	16.80	16.90	17.10	17.00	17.00	16.80
1982	16.50	16.40	16.30	16.40	16.90	16.70	16.40
1983	16.60	17.00	16.60	16.00	16.00	16.00	16.50
1984	16.20	16.40	16.70	17.00	17.40	17.20	16.20
1985	16.50	16.80	15.90	16.00	16.00	15.80	16.50
1986	16.40	15.30	16.70	17.00	16.80	16.90	16.20

FLORIDA MILK PRICES 1984 - 1986



Dairy products: Production of specified manufactured products and whole milk equivalents used in dairy products produced in Florida, 1977-1986

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/	Whole milk equiv. in manufactured dairy products
	Thousand gallons				Thousand pounds
1977	29,848	14,101	1,689	45,638	391,567
1978	31,149	14,958	1,657	47,764	416,172
1979	32,553	15,406	1,754	49,713	433,218
1980	34,767	16,465	1,708	52,940	460,703
1981	34,322	14,589	1,678	50,589	433,222
1982	33,577	14,511	1,754	49,842	422,670
1983	34,002	13,979	1,758	49,739	415,032
1984	34,924	16,584	1,906	53,414	444,462
1985	37,041	17,755	1,793	56,589	464,003
1986	37,180	18,600	1,875	57,655	472,901

1/ Includes freezer-made milkshakes.
2/ Excludes "mellorine-type" desserts and other minor frozen dairy products.

Inshipments of raw milk, Florida

Month	1981	1982	1983	1984	1985	1986	1987
	Thousand pounds						
January	17,251	12,782	21,041	41,630	53,954	39,036	44,760
February	10,594	13,161	17,975	39,851	48,410	35,607	37,121
March	11,354	15,122	21,288	42,675	53,002	38,885	39,456
April	11,003	8,566	19,319	40,982	37,992	33,519	32,802
May	10,359	12,887	19,074	40,180	43,715	33,494	32,678
June	13,291	18,464	18,162	42,052	39,901	34,181	
July	19,036	19,082	29,900	51,594	40,150	43,206	
August	27,739	32,084	37,092	63,574	47,781	52,007	
September	32,296	40,334	43,355	62,001	57,968	67,757	
October	22,729	31,310	31,504	65,602	62,298	64,930	
November	18,479	27,020	30,647	64,797	45,581	53,158	
December	14,322	20,922	38,436	52,399	42,375	47,504	
Total	208,453	251,734	327,792	607,338	573,128	543,285	

Source: Bureau of Dairy Laboratories, Division of Dairy Industry, Florida Department of Agriculture and Consumer Services.

Inshipments: Milk cows and heifers shipped into Florida by truck to areas east and south of the Suwannee River, by States, 1982-1986

State	1982	1983	1984	1985	1986
	Number of head				
Alabama	2,772	2,440	1,269	1,999	2,243
Georgia	1,891	1,740	2,095	2,658	1,430
Illinois	44	32	2	298	464
Indiana	2,308	2,595	894	985	1,499
Iowa	418	124	80	454	216
Kentucky	4,207	5,271	2,012	5,996	4,805
Minnesota	197	335	790	517	107
Mississippi	2,737	2,624	1,084	2,544	2,976
Missouri	906	420	197	215	24
New York	4,779	4,568	3,303	8,594	6,003
North Carolina	389	306	593	2,385	1,163
Ohio	1,334	657	343	545	403
Pennsylvania	226	928	341	1,205	1,328
South Carolina	970	566	345	873	668
Tennessee	4,693	4,884	4,767	6,811	5,008
Virginia	219	972	353	1,834	2,488
Wisconsin	1,568	1,109	473	1,728	1,307
Other	1,417	2,222	772	2,390	2,851
Total	31,075	31,793	19,713	42,031	34,983

Cows and heifer calves kept for milk: Number on farms, by classes, United States, January 1 and June 1, 1978-1987

Year	January 1		June 1/	
	Cows and heifers that have calved	Heifers 500 pounds & over	Cows and heifers that have calved	Heifers 500 pounds & over
	1,000 head			
1978	10,896	3,886	10,761	3,955
1979	10,790	3,932	10,700	4,115
1980	10,779	4,158	10,798	4,377
1981	10,860	4,345	10,920	4,628
1982	11,012	4,532	11,000	4,780
1983	11,047	4,545	11,100	4,880
1984	11,109	4,532	10,800	4,950
1985	10,805	4,760	11,000	4,900
1986	11,177	4,761	10,900	4,600
1987	10,547	4,335	10,400	4,500

1/ July 1 for 1984 and prior years.

Milk: Production and utilization, milk and milkfat, United States, 1977-1986

Year	Total production 1/		Milkfat in milk	Disposition of milk			
				Used on farms where produced		Milk marketed by farmers	
	Milk	Milkfat		Used for milk, cream & butter	Fed to calves 1/	Sold to plants 2/	Retail 3/
	Million pounds		Percent	Million pounds			
1977	122,654	4,481	3.65	1,283	1,541	118,154	1,495
1978	121,461	4,455	3.67	1,168	1,497	117,203	1,490
1979	123,350	4,512	3.66	1,040	1,442	119,379	1,489
1980	128,406	4,692	3.65	943	1,395	124,598	1,470
1981	132,770	4,836	3.64	886	1,418	128,994	1,472
1982	135,505	4,950	3.65	839	1,521	131,859	1,285
1983	139,672	5,105	3.66	842	1,527	136,090	1,211
1984	135,450	4,964	3.66	804	2,134	131,371	1,141
1985	143,147	5,249	3.67	709	1,747	139,436	1,255
1986	144,080	5,284	3.67	690	1,870	140,306	1,214

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Dairy production: Number of milk cows and production, by selected States, 1986

State	Milk cows 1/	Production 2/		Milkfat in milk
		Per milk cow	Total milk	
	Thousands	Pounds	Million pounds	Percent
Alabama	44	12,023	529	3.65
Arizona	86	15,907	1,368	3.69
Arkansas	68	11,103	755	3.55
California	1,013	17,014	17,235	3.63
Colorado	80	14,850	1,188	3.67
Connecticut	43	13,953	600	3.70
Florida	179	12,028	2,153	3.56
Georgia	109	11,560	1,260	3.65
Idaho	166	14,422	2,394	3.63
Illinois	221	12,674	2,801	3.68
Indiana	202	12,158	2,456	3.71
Iowa	335	11,579	3,879	3.66
Kansas	111	11,721	1,301	3.62
Kentucky	227	10,251	2,327	3.67
Louisiana	93	9,538	887	3.55
Maine	51	12,608	643	3.76
Maryland	124	13,226	1,640	3.67
Massachusetts	43	13,047	561	3.74
Michigan	379	14,259	5,404	3.68
Minnesota	891	11,912	10,614	3.64
Mississippi	82	10,195	836	3.62
Missouri	227	12,907	2,930	3.63
Nebraska	108	12,500	1,350	3.66
New York	947	12,401	11,744	3.67
North Carolina	121	14,008	1,695	3.71
North Dakota	97	11,072	1,074	3.63
Ohio	383	12,888	4,936	3.69
Oklahoma	111	10,721	1,190	3.62
Oregon	99	14,859	1,471	3.77
Pennsylvania	734	13,831	10,152	3.67
South Carolina	47	12,021	565	3.69
South Dakota	156	11,045	1,723	3.62
Tennessee	207	10,729	2,221	3.70
Texas	323	12,659	4,089	3.60
Utah	79	14,620	1,155	3.56
Vermont	181	13,575	2,457	3.74
Virginia	155	13,523	2,096	3.66
Washington	212	17,745	3,762	3.70
Wisconsin	1,862	13,534	25,200	3.62
United States (50 States)	10,839	13,293	144,080	3.67

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Excludes milk sucked by calves.

Milk cows and production: Number on farms and milk production, by quarters, United States, 1977-1986

Year	Mar	Jun	Sep	Dec	Annual average
Milk cows					
			Thousands		
1977	10,983	10,951	10,937	10,907	10,945
1978	10,860	10,784	10,779	10,791	10,803
1979	10,762	10,710	10,719	10,741	10,734
1980	10,752	10,771	10,811	10,846	10,799
1981	10,851	10,871	10,906	10,964	10,898
1982	10,995	10,985	11,007	11,040	11,011
1983	11,058	11,089	11,112	11,131	11,098
1984	10,925	10,799	10,801	10,806	10,833
1985	10,816	10,987	11,099	11,162	11,016
1986	11,126	10,943	10,703	10,583	10,839
Milk production per cow					
			Pounds		
1977	3,691	3,313	3,546	3,761	11,206
1978	3,658	3,310	3,549	3,744	11,243
1979	3,617	3,267	3,451	3,611	11,492
1980	3,445	3,165	3,358	3,501	11,891
1981	3,342	3,092	3,296	3,421	12,183
1982	3,315	3,239	3,082	2,974	12,306
1983	3,235	3,011	3,181	3,301	12,585
1984	3,218	3,033	3,226	3,330	12,506
1985	3,216	2,937	3,025	3,151	12,994
1986	3,251	3,505	3,327	3,208	13,293
Milk production					
			Million pounds		
1977	29,753	33,058	30,843	29,001	122,654
1978	29,690	32,578	30,368	28,824	121,461
1979	29,756	32,783	31,062	29,749	123,350
1980	31,207	34,028	32,191	30,980	128,406
1981	32,471	35,161	33,092	32,046	132,770
1982	33,167	35,579	33,927	32,832	135,505
1983	34,179	36,833	34,936	33,724	139,672
1984	33,942	35,589	33,476	32,443	135,450
1985	33,635	37,403	36,685	35,424	143,147
1986	36,172	38,350	35,610	33,947	144,080

See footnote at end of table.

Milk sold to plants, All: Average price per 100 pounds received by farmers, United States, 1977-1986

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1977	9.65	9.53	9.45	9.44	9.37	9.40
1978	10.20	10.20	10.20	10.10	10.10	10.00
1979	11.90	11.90	11.80	11.60	11.50	11.50
1980	12.80	12.80	12.80	12.70	12.60	12.50
1981	14.10	14.00	13.80	13.70	13.50	13.40
1982	14.00	13.80	13.70	13.50	13.20	13.20
1983	13.90	13.80	13.60	13.60	13.30	13.20
1984	13.60	13.40	13.30	13.10	13.00	12.90
1985	13.90	13.70	13.30	12.90	12.50	12.20
1986	12.50	12.40	12.20	12.10	12.00	11.90

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1977	9.49	9.66	9.97	10.10	10.20	10.20	9.72
1978	10.10	10.50	10.90	11.30	11.60	11.80	10.60
1979	11.60	12.00	12.30	12.60	12.90	12.80	12.00
1980	12.60	12.80	13.20	13.70	14.00	14.10	13.05
1981	13.40	13.50	13.70	14.00	14.00	14.00	13.77
1982	13.20	13.30	13.60	13.80	13.90	13.90	13.61
1983	13.20	13.30	13.50	13.80	13.90	13.70	13.58
1984	13.00	13.20	13.60	14.00	14.30	14.00	13.46
1985	12.10	12.10	12.30	12.60	12.60	12.60	12.75
1986	12.00	12.30	12.80	13.20	13.40	13.40	12.50

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, United States, 1977-1986

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1977	9.91	9.79	9.67	9.63	9.56	9.61
1978	10.50	10.50	10.40	10.30	10.30	10.20
1979	12.00	12.10	11.90	11.80	11.70	11.60
1980	13.00	13.00	12.90	12.80	12.70	12.70
1981	14.20	14.20	14.00	13.80	13.70	13.60
1982	14.10	14.00	13.80	13.60	13.40	13.30
1983	14.00	14.00	13.80	13.70	13.50	13.30
1984	13.80	13.50	13.40	13.20	13.10	13.00
1985	14.10	13.90	13.50	13.00	12.70	12.30
1986	12.70	12.60	12.40	12.20	12.10	12.00

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1977	9.72	9.91	10.20	10.40	10.50	10.40	9.96
1978	10.30	10.70	11.00	11.50	11.80	12.00	10.80
1979	11.80	12.20	12.50	12.80	13.10	13.00	12.20
1980	12.70	13.00	13.40	13.90	14.10	14.30	13.23
1981	13.60	13.70	13.90	14.20	14.20	14.20	13.95
1982	13.40	13.40	13.70	13.90	14.10	14.10	13.80
1983	13.30	13.50	13.70	13.90	14.10	13.90	13.75
1984	13.10	13.30	13.80	14.20	14.40	14.10	13.61
1985	12.30	12.30	12.40	12.70	12.70	12.70	12.90
1986	12.10	12.40	12.90	13.30	13.50	13.50	12.62

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1981-1986

State	All milk sold					
	1981	1982	1983	1984	1985	1986
	Dollars					
Alabama	14.70	14.60	14.80	14.80	14.50	14.40
Alaska	19.20	21.30	22.60	21.10	19.60	20.10
Arizona	14.10	13.90	13.90	13.80	13.10	12.70
Arkansas	14.50	14.40	14.40	14.20	13.80	13.80
California	13.43	13.21	13.06	12.85	12.18	11.77
Colorado	14.90	14.80	14.90	14.80	14.00	13.50
Connecticut	14.50	14.40	14.40	14.40	13.70	13.40
Delaware	14.30	13.90	14.00	14.00	13.10	12.80
Florida	16.80	16.40	16.50	16.20	16.50	16.20
Georgia	14.70	14.40	14.50	14.60	14.10	13.90
Hawaii	20.50	20.59	20.09	20.06	20.25	19.99
Idaho	12.80	12.70	12.80	12.70	12.10	11.70
Illinois	13.80	13.50	13.50	13.50	12.70	12.50
Indiana	13.80	13.60	13.60	13.50	12.80	12.50
Iowa	13.30	13.20	13.20	13.10	12.20	12.00
Kansas	14.00	14.00	14.00	14.00	13.50	12.80
Kentucky	13.60	13.50	13.50	13.40	12.80	12.60
Louisiana	14.90	14.70	14.60	14.50	14.10	14.00
Maine	14.80	14.70	14.70	14.50	13.70	13.50
Maryland	14.30	14.00	14.00	14.00	13.10	12.90
Massachusetts	14.60	14.50	14.60	14.40	13.70	13.40
Michigan	13.80	13.60	13.60	13.50	12.70	12.60
Minnesota	13.08	12.98	12.94	12.82	12.05	11.85
Mississippi	14.40	14.20	14.20	14.30	13.80	13.60
Missouri	13.40	13.30	13.30	13.20	12.50	12.30
Montana	13.40	13.20	13.30	13.80	13.10	12.70
Nebraska	13.40	13.30	13.30	13.50	12.70	12.30
Nevada	13.40	13.30	13.40	13.50	12.80	12.20
New Hampshire	14.50	14.50	14.50	14.40	13.60	13.40
New Jersey	14.10	13.90	14.00	13.80	13.10	12.80
New Mexico	15.30	15.30	14.70	13.80	13.10	12.70
New York	13.80	13.70	13.70	13.50	12.80	12.60
North Carolina	15.00	14.70	14.80	15.00	14.50	14.00
North Dakota	12.60	12.50	12.50	12.30	11.40	11.30
Ohio	13.80	13.70	13.60	13.50	12.80	12.50
Oklahoma	14.40	14.40	14.00	13.80	13.40	13.20
Oregon	13.90	13.80	13.80	13.50	12.80	12.40
Pennsylvania	14.20	14.00	14.00	13.90	13.10	12.90
Rhode Island	14.50	14.50	14.50	14.40	13.60	13.40
South Carolina	15.60	15.30	15.50	15.60	15.40	15.00
South Dakota	12.90	13.00	12.90	12.70	11.90	11.60
Tennessee	13.90	13.60	13.60	13.70	13.50	13.10
Texas	14.60	14.60	14.50	14.30	13.80	13.60
Utah	13.10	12.90	12.90	12.90	12.00	11.80
Vermont	14.30	14.10	14.20	14.00	13.30	13.10
Virginia	14.10	13.90	13.90	13.90	13.40	13.00
Washington	13.50	13.30	13.30	13.10	12.40	12.10
West Virginia	13.80	13.60	13.60	13.40	12.90	12.40
Wisconsin	13.38	13.22	13.23	13.13	12.27	12.16
Wyoming	13.30	13.10	13.00	13.10	12.60	12.00
United States	13.77	13.61	13.58	13.46	12.75	12.50

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1981-1986

State	Eligible for fluid market					
	1981	1982	1983	1984	1985	1986
	Dollars					
Alabama	14.70	14.60	14.90	14.90	14.50	14.40
Alaska	19.20	21.30	22.60	21.10	19.60	20.10
Arizona	14.10	13.90	13.90	13.80	13.10	12.70
Arkansas	14.70	14.60	14.60	14.40	13.90	13.90
California	13.47	13.24	13.09	12.88	12.22	11.79
Colorado	14.90	14.80	14.90	14.80	14.00	13.50
Connecticut	14.50	14.40	14.40	14.40	13.70	13.40
Delaware	14.30	13.90	14.00	14.00	13.10	12.80
Florida	16.80	16.40	16.50	16.20	16.50	16.20
Georgia	14.70	14.40	14.50	14.60	14.10	13.90
Hawaii	20.50	20.59	20.09	20.06	20.25	19.99
Idaho	13.20	13.20	13.50	13.10	12.40	11.90
Illinois	13.90	13.60	13.60	13.60	12.80	12.60
Indiana	14.10	13.80	13.90	13.70	13.00	12.70
Iowa	13.50	13.40	13.40	13.30	12.40	12.20
Kansas	14.30	14.30	14.30	14.40	13.80	13.10
Kentucky	14.00	13.80	13.80	13.70	13.10	12.90
Louisiana	14.90	14.70	14.60	14.50	14.10	14.00
Maine	14.80	14.70	14.70	14.50	13.70	13.50
Maryland	14.30	14.00	14.00	14.00	13.10	12.90
Massachusetts	14.60	14.50	14.60	14.40	13.70	13.40
Michigan	13.90	13.70	13.70	13.60	12.70	12.60
Minnesota	13.34	13.20	13.15	13.08	12.24	12.07
Mississippi	14.50	14.30	14.30	14.40	13.90	13.70
Missouri	13.60	13.50	13.50	13.40	12.70	12.50
Montana	13.50	13.20	13.30	13.80	13.20	12.70
Nebraska	13.90	13.80	13.80	14.10	13.20	12.90
Nevada	13.40	13.30	13.40	13.50	12.80	12.20
New Hampshire	14.50	14.50	14.50	14.40	13.60	13.40
New Jersey	14.10	13.90	14.00	13.80	13.10	12.80
New Mexico	15.30	15.30	14.70	13.80	13.10	12.70
New York	13.80	13.70	13.70	13.50	12.80	12.60
North Carolina	15.10	14.80	14.90	15.10	14.60	14.10
North Dakota	13.20	13.10	13.00	12.80	11.90	11.70
Ohio	14.00	13.80	13.70	13.63	12.90	12.60
Oklahoma	14.60	14.60	14.20	14.00	13.60	13.40
Oregon	13.90	13.80	13.80	13.50	12.80	12.40
Pennsylvania	14.20	14.00	14.00	13.90	13.10	12.90
Rhode Island	14.50	14.50	14.50	14.40	13.60	13.40
South Carolina	15.60	15.30	15.50	15.60	15.40	15.00
South Dakota	13.40	13.60	13.50	13.20	12.30	12.10
Tennessee	14.20	13.90	13.90	13.90	13.70	13.30
Texas	14.80	14.60	14.50	14.30	13.80	13.60
Utah	13.40	13.20	13.20	13.20	12.20	12.00
Vermont	14.30	14.10	14.20	14.00	13.30	13.10
Virginia	14.20	14.00	14.00	14.00	13.50	13.10
Washington	13.50	13.30	13.30	13.10	12.40	12.10
West Virginia	13.80	13.60	13.60	13.40	12.90	12.40
Wisconsin	13.51	13.31	13.32	13.24	12.38	12.26
Wyoming	14.00	13.90	14.00	14.00	13.20	12.50
United States	13.95	13.80	13.75	13.61	12.90	12.62

Milk cows: Prices received by farmers, quarterly, by States, 1985, and 1986 1/

State	January		April		July		October	
	1985	1986	1985	1986	1985	1986	1985	1986
	Dollars per head							
Ala	900	840	890	840	900	890	870	870
Ark	860	810	860	810	840	840	820	870
Calif	1,090	1,000	1,100	965	1,060	1,020	980	1,010
Colo	960	910	970	850	930	850	890	860
Fla	920	910	920	890	960	910	880	910
Ga	890	840	890	820	870	850	840	835
Idaho	900	840	910	820	900	860	860	860
Ill	840	770	860	810	850	870	820	820
Ind	860	830	860	840	890	860	850	890
Iowa	810	740	835	780	830	790	760	820
Kans	910	810	910	760	890	830	820	850
Ky	760	750	780	740	790	750	770	760
La	890	815	870	835	835	860	805	860
Md	920	915	910	870	910	900	900	895
Mich	890	800	880	800	880	820	810	820
Minn	790	680	820	750	785	780	730	760
Miss	840	810	810	810	830	820	800	810
Mo	790	750	790	770	770	760	750	810
Nebr	820	740	820	760	810	770	760	800
N Y	800	740	820	740	800	770	750	760
N C	930	900	940	880	950	900	890	905
N D	740	630	770	640	740	660	700	700
Ohio	820	800	820	810	820	840	780	840
Okla	860	815	900	810	860	810	850	840
Oreg	900	880	920	845	910	865	870	860
Pa	950	840	950	865	930	840	890	850
Tenn	790	750	800	730	810	770	760	740
Tex	960	920	970	890	920	900	960	950
Utah	840	780	870	770	830	780	800	800
Vt	760	750	800	770	770	820	750	790
Va	895	860	890	860	890	840	870	840
Wash	980	870	1,010	870	960	920	900	950
Wis	850	730	870	770	830	790	770	810
United States (50 States)	875	800	890	810	865	835	815	840

1/ Dairy cows sold for dairy herd replacement.

Milk cows: Prices received by farmers, monthly, United States, 1981-86 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Dollars per head											
1981	1,240	1,230	1,220	1,200	1,210	1,200	1,200	1,200	1,200	1,190	1,180	1,160
1982	1,150			1,110			1,110			1,080		
1983	1,050			1,060			1,060			960		
1984	870			910			910			890		
1985	875			890			865			815		
1986	800			810			835			840		

1/ Dairy cows sold for dairy herd replacement. Prices estimated quarterly beginning January 1982.

Dairy production: Utilization and cash receipts, by selected States, 1986

State	Combined marketings of milk and cream			Used for milk, cream and butter on farms where produced	
	Milk used	Average 1/ returns per 100 lbs milk	Cash receipts	Milk used	Value 2/
	Million pounds	Dollars	1,000 dollars	Million pounds	1,000 dollars
Alabama	524	14.40	75,456	2	288
Arizona	1,361	12.70	172,847	1	127
Arkansas	710	13.80	97,980	7	966
California	17,177	12.01	2,062,508	8	961
Colorado	1,134	13.75	155,919	11	1,512
Connecticut	592	13.74	81,320	3	412
Florida	2,138	16.20	346,356	6	972
Georgia	1,250	13.90	173,750	4	556
Idaho	2,343	11.70	274,131	8	936
Illinois	2,757	12.50	344,625	9	1,125
Indiana	2,415	12.50	301,875	10	1,250
Iowa	3,750	12.00	450,000	42	5,040
Kansas	1,278	12.80	163,584	5	640
Kentucky	2,222	12.60	279,972	50	6,300
Louisiana	867	14.00	121,380	13	1,820
Maine	629	13.63	85,709	4	545
Maryland	1,625	12.90	209,625	5	645
Massachusetts	553	13.80	76,295	2	276
Michigan	5,324	12.63	672,316	15	1,894
Minnesota	10,350	11.85	1,226,475	24	2,844
Mississippi	826	13.68	113,027	6	821
Missouri	2,867	12.30	352,641	15	1,845
Nebraska	1,305	12.30	160,515	15	1,845
New York	11,503	12.66	1,456,098	67	8,481
North Carolina	1,648	14.00	230,720	30	4,200
North Dakota	1,030	11.30	116,390	6	678
Ohio	4,876	12.56	612,263	20	2,511
Oklahoma	1,159	13.20	152,988	14	1,848
Oregon	1,436	12.76	183,182	10	1,276
Pennsylvania	10,030	13.13	1,316,565	41	5,382
South Carolina	555	15.40	85,465	4	616
South Dakota	1,706	11.60	197,896	7	812
Tennessee	2,087	13.16	274,596	30	3,947
Texas	4,030	13.71	552,314	15	2,056
Utah	1,128	12.11	136,630	4	485
Vermont	2,418	13.11	317,118	12	1,574
Virginia	2,065	13.00	268,450	8	1,040
Washington	3,737	12.47	465,864	4	499
Wisconsin	24,745	12.16	3,009,683	126	15,325
United States (50 States)	141,521	12.59	17,824,118	690	87,879

1/ Cash receipts divided by milk or milk fat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

Manufactured dairy products: Production of specified products, United States, 1984-1986

Products	1984	1985	1986	Percent of 1985
	1,000 pounds			
Butter	1,103,316	1,247,792	1,202,392	96.4
Cheese:				
American:				
Cheddar	2,112,947	2,291,656	2,241,624	97.8
Other American types 1/	535,512	563,574	556,536	98.8
Part skim	2,711	2,380	2,051	86.2
Swiss	207,958	222,886	227,340	102.0
Munster	76,046	82,096	88,488	107.8
Brick	16,032	20,131	20,387	101.3
All Italian types	1,318,816	1,491,314	1,248,655	113.1
Cream	272,459	289,480	315,282	108.9
Neufchatel	4,007	4,289	6,222	145.1
Blue 2/	34,115	33,433	34,198	102.3
All other types 3/	92,165	77,742	83,216	105.6
Total 4/	4,675,218	5,080,942	5,209,169	102.5
Cottage Cheese:				
Curd 5/	606,219	598,845	600,122	100.2
Creamed 6/	736,061	715,581	704,819	98.5
Lowfat 7/	229,331	244,390	265,475	108.6
Canned Milk:				
Evaporated and condensed whole	647,663	635,292	584,426	92.0
evaporated skim milk	18,035	20,837	17,673	84.8
Bulk condensed milk:				
Whole				
Sweetened	66,061	69,481	72,803	104.8
Unsweetened	238,273	272,044	276,530	101.6
Skim				
Sweetened	51,343	49,551	55,416	111.8
Unsweetened	803,641	841,100	957,039	113.8
Condensed or evaporated buttermilk	37,899	41,264	41,549	100.7
Dry milk:				
Dry whole milk	119,622	118,856	122,366	103.0
Nonfat dry milk for human food	1,160,670	1,390,033	1,284,143	92.4
Dry skim milk for animal feed	7,672	8,262	9,718	117.6
Dry buttermilk	43,485	51,523	65,677	127.5
Whey and whey products:				
Condensed whey, solids content 8/	130,022	126,671	117,860	93.0
Dry whey	897,946	986,829	1,031,033	104.5
Milk sugar and lactose	123,778	123,173	135,181	109.7

1/ Includes colby, washed or stirred curd, monterey and jack.
2/ Includes gorgonzola.
3/ Includes full-skim.
4/ Excludes cottage cheese.
5/ Mostly used for processing into creamed or lowfat cottage cheese.
6/ Milk fat content 4.0 percent or more.
7/ Milk fat content less than 4.0 percent, mostly 0.5 to 2.0 percent.
8/ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products.

Manufactured dairy products: Production of specified products, United States, 1977-1986

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/
		Thousand gallons		
1977	809,849	307,949	49,783	1,167,581
1978	815,360	310,063	48,034	1,173,457
1979	811,079	296,653	45,124	1,152,856
1980	829,798	293,384	45,187	1,168,369
1981	832,450	290,992	45,732	1,169,174
1982	852,072	280,559	45,575	1,178,206
1983	881,543	294,913	47,732	1,224,188
1984	894,468	299,825	47,488	1,241,781
1985	901,449	301,312	48,206	1,250,967
1986	923,597	314,673	49,679	1,287,949

1/ Includes freezer-made milkshake.
2/ Excludes "Mellorine-type" desserts and other minor frozen dairy products.

Dairy products: Whole and skim milk equivalents used in dairy products and cottage cheese produced in United States, 1977-1986

Year	Whole milk equiv. in manufactured dairy products	Skim milk equiv. used in specified skim milk & buttermilk products	Cottage cheese: Curd	Cottage cheese: Creamed 1/	Cottage cheese: Low fat 2/
	Million pounds		Thousand pounds		
1977	67,068	19,777	684,481	877,978	139,007
1978	65,944	17,458	688,399	870,529	153,139
1979	67,504	17,070	668,546	839,735	158,383
1980	73,327	19,847	667,433	824,546	179,836
1981	77,916	21,374	647,541	773,321	208,333
1982	80,583	22,125	628,949	748,869	217,572
1983	83,991	23,365	618,162	742,506	215,941
1984	77,291	19,774	606,219	736,061	299,331
1985	83,538	22,538	598,845	715,581	244,390
1986	83,226	21,921	600,122	704,819	265,475

1/ Milk fat content not less than 4.0 percent.
2/ Milk fat content less than 4.0 percent, mostly 0.5 to 2.0 percent.

Dairy products: Per capita civilian consumption, primary distribution weight, United States, 1963-1986 1/

Year	Fluid milk and cream 2/	Cheese 3/	Butter	Ice cream (product weight)
	Pounds			
1963	307	9.2	6.9	18.0
1964	304	9.4	6.9	18.3
1965	302	9.6	6.4	18.5
1966	297	9.8	5.7	18.2
1967	285	10.1	5.5	17.8
1968	280	10.6	5.7	18.4
1969	272	10.9	5.4	18.0
1970	263	11.5	5.3	17.6
1971	259	12.1	5.1	17.5
1972	262	13.1	4.9	17.3
1973	255	13.6	4.8	17.3
1974	243	14.6	4.5	17.4
1975	243	14.3	4.7	18.5
1976	264	15.7	4.3	17.9
1977	260	16.1	4.3	17.5
1978	257	17.0	4.4	17.4
1979	253	17.2	4.5	17.1
1980	250	17.6	4.5	17.4
1981	245	18.3	4.3	17.2
1982	242	20.0	4.3	17.5
1983	242	20.7	4.9	17.9
1984	243	21.6	4.9	18.0
1985	245	22.6	4.9	18.0
1986	247	23.2	4.6	18.3

1/ 1976-1985 Revised. 1986 Preliminary. 2/ Whole milk equivalent. 3/ Whole and part whole milk cheese; excludes cottage, pot, and baker's cheese.